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**Frederiksen et al.**(10) **Pub. No.: US 2014/0321410 A1**(43) **Pub. Date: Oct. 30, 2014**(54) **CONFIGURING A COMMUNICATION  
CHANNEL WITHIN A CELL OF A  
CELLULAR NETWORK COMPRISING  
ANOTHER CELL WHICH USES MUTING  
PATTERNS**(52) **U.S. Cl.**  
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A method for configuring a first communication channel within a first cell of a cellular network. The method includes determining a first plurality of the subframes of the first communication channel being related in time with the unscheduled subframes of a second communication channel and a second plurality of the subframes of the first communication channel being related in time with the scheduled subframes of the second communication channel, specifying a transmission scheme, by a first base station, for the first communication channel based on the determined first plurality of the subframes and based on the determined second plurality of the subframes, the transmission scheme including a first type of transmission for the first plurality of the subframes and a second type of transmission for the second plurality of the subframes, and configuring, by the first base station, the first communication channel according to the specified transmission scheme.

